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Subsidiary of
Coastal States
Gas Corporation

July 2, 1979

Mr. Jackson W. Moffitt
Area Mining Supervisor
Branch of Mining Operations
U. S. Geological Survey
Room 8426, Federal Building
Salt Lake City, UT 84111

Dear Mr. Moffitt:

Submitted with this letter are seven copies of a proposed amendment to the seismic program to be completed on Federal coal leases Nos. U-142235, U-0147570, U-044076, U-020305, and U-073120. This exploration program was proposed on September 11, 1978, and approved on October 10, 1978. We request your approval of this amendment.

The amendment is requested because:

1. Additional seismic data is considered to be essential in the block west of the Valentine Fault and the profile in Huntington Canyon from Flat Canyon north to Kitchen Canyon will provide that data.
2. There is reasonable doubt that the abandoned workings in the Winter Quarters Mine were correctly mapped. If these workings were extended under Federal coal lease U-073120, a hazardous condition would exist in developing the mine in Eccles Canyon in the Lower O'Connor "A" seam. After discussion of the problem by R. F. Hagemann with Mr. Joseph Condon of the Pre-Mining Research Group, United States Bureau of Mines, Denver Federal Center, Denver, Colorado, there does not appear to be any geophysical technology that will map the mined area whether flooded or not with certitude. Mr. Condon did state that as a high resolution seismic survey was being made on the leases, that an effort could be made to obtain more detailed data from Core Hole 76-13-3 along the trace of Profile 78-9, but to the east along the lease border.

Sincerely,

Loren A. Williams
Loren A. Williams



APPLICATION FOR AMENDMENT
OF SEISMIC EXPLORATION PLAN

This application for Amendment of Seismic Exploration Plan is submitted pursuant to 30 C.F.R. § 211.10. The purpose of the amendment is to obtain more adequate and reliable geophysical, hydrologic and geologic data. It is submitted as an amendment to the application dated September 11, 1978, and approved October 10, 1978; submitted by Routt County Development, Ltd. and Coastal States Energy Company jointly.

Amendment:

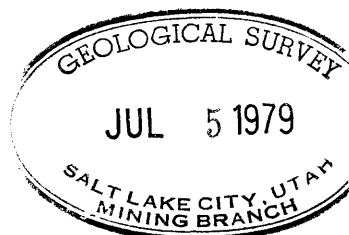
REFLECTION SEISMIC PROFILES

The accompanying map to this application shows the locations of the permitted and supplemental continuous reflection seismic profiles. These profiles have been strategically positioned in areas where data are required to achieve close control on the structure, the faulting, and associated geological features affecting the mine plan. These profiles have been located with careful reference to previously existing roads, trails, and access. Particular attention was paid in laying out the program to avoid radical elevation differences; insofar as is possible, the profiles follow ridges in order to follow pre-existing access and to minimize problems in data processing and interpretation. The accompanying Table I, together with the program map, shows the profile number, profile length, and lease numbers affected for the supplemental profiles.

TABLE I

Reflection Seismic Profiles

| <u>Profile</u> | <u>Profile Length</u> | <u>Lease Numbers</u> |
|----------------|-------------------------|-----------------------|
| 78-9A | 1800 feet; 0.34 miles | U-073120 |
| 78-13 | 16,000 feet; 3.03 miles | U-044076 U-0147570 |



R.6E.

R.7E

T.12 S.

13 S.

